



ASX ANNOUNCEMENT

19 JANUARY 2023

## 1<sup>st</sup> PATIENT DOSED IN CHM 0201 + VACTOSERTIB TRIAL

- First patient dosed in Phase 1B CHM 0201 + Vactosertib clinical trial
- First FDA approved trial with CHM 0201 NK cells + Vactosertib
- Builds upon 24+ month complete response seen with CHM 0201 in Phase 1A
- Targeting patients with advanced colorectal and blood cancers

Chimeric Therapeutics, a clinical stage cell therapy company and an Australian leader in cell therapy, is pleased to announce that the first patient has been dosed in the CHM 0201 (CORE NK) + Vactosertib clinical trial, the first ever trial to assess NK cells in combination with Vactosertib in patients with advanced colorectal and blood cancers.

The CHM 0201 (CORE NK) platform is a potential best in class NK cell platform of ex-vivo expanded non HLA-matched universal donor NK cells. The platform was previously studied in a phase 1 clinical trial that established safety with no GvHD (Graft versus Host Disease), 28-day NK cell persistence and an encouraging early efficacy signal, particularly in blood cancers where all patients achieved disease control and one patient achieved a complete response that was sustained for over 15 months at time of study publication.

The objective of this new Phase 1B study is to build upon the clinical responses seen in the initial CORE NK Phase 1A clinical trial by adding Vactosertib, an oral TGF- $\beta$  receptor inhibitor that can potentially disrupt the TGF- $\beta$  signaling pathway. This new trial is being led by UH Seidman oncologist J. Eva Selfridge, MD, PhD, and Assistant Professor at Case Western Reserve University School of Medicine in Ohio and is designed to treat 12 patients with either locally advanced/metastatic colorectal cancer or relapsed/refractory blood cancers.

“Both advanced colorectal cancer and acute myeloid leukemia continue to be defined by high unmet needs in the relapse/refractory setting,” said Jennifer Chow, Chimeric CEO and Managing Director. “Dosing of the first patient in this trial is a meaningful step towards realizing the potential of CHM 0201 in providing better options for treatment and care to these patients.”

The Phase 1B trial is currently funded without financial support from Chimeric Therapeutics.

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## ABOUT CHIMERIC THERAPEUTICS

Chimeric Therapeutics, a clinical stage cell therapy company and an Australian leader in cell therapy, is focused on bringing the promise of cell therapy to life for more patients with cancer. We believe that cellular therapies have the promise to cure cancer, not just delay disease progression.

To bring that promise to life for more patients, Chimeric's world class team of cell therapy pioneers and experts is focused on the discovery, development, and commercialization of the most innovative and promising cell therapies.

CHM 1101 (CLTX CAR T) is a novel and promising CAR T therapy developed for the treatment of patients with solid tumours. CHM 1101 is currently being studied in a phase 1 clinical trial in recurrent / progressive glioblastoma. Initial positive data has been presented on patients treated in the first two dose levels of the trial. Additional work is being undertaken to expand CLTX to additional solid tumours, beginning with metastatic melanoma.

CHM 2101 (CDH17 CAR T) is a novel, 3rd generation CDH17 CAR T invented at the world-renowned cell therapy centre, the University of Pennsylvania. Preclinical evidence for CHM 2101 was published in March 2022 in Nature Cancer. CHM 2101 (CDH17 CAR T) is currently in preclinical development with a planned phase 1 clinical trial in gastrointestinal tumours.

CHM 0201 (CORE-NK platform) is a clinically validated, off the shelf natural killer (NK) cell platform. Data from the complete phase 1 clinical trial was published in March 2022, demonstrating safety and efficacy in blood cancers and solid tumours. Based on the promising activity signal demonstrated in that trial, an additional Phase1B clinical trial investigating CHM 0201 in combination with IL2 and Vactosertib is now underway. From the CHM 0201 platform, Chimeric has initiated development of four new next generation NK and CAR NK assets with plans for phase 1 clinical trials in solid tumours and blood cancers.

Chimeric Therapeutics continues to be actively engaged in further developing its oncology pipeline with new and novel cell therapy assets that will bring the promise of cell therapy to life for more patients with cancer.

Authorised on behalf of the Chimeric Therapeutics board of directors by Chairman Paul Hopper.

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